

**FLEXIBLE SCREW FEEDER/MIXER FOR PRECISION DOSING
AND FEEDING OF PARTICULATE SYSTEMS**

ABSTRACT OF THE INVENTION

Disclosed is a flexible screw feeder for conveying and/or mixing particulate solids comprising a hollow feed tube in which the particulate solid is transported from a first location to a second location; and auger conveying means within the feed tube comprising a shaft carrying a plurality of flexible elements helically arrayed to form a spiral.